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5. The method of claim 1 wherein mapping comprises drawing the outlines using a rasterization engine function.

6. (Amended) The method of claim 1 wherein identifying comprises comparing the total number of outlines of pieces of artwork that map to the cell with a threshold.

7. The method of claim 6 wherein the threshold comprises a threshold based on user input.

8. The method of claim 6 wherein the threshold comprises a dynamically determined threshold.

9. The method of claim 1 wherein the illustration has a first associated resolution and the grid has a second resolution, the second resolution being less than the first resolution.

10. The method of claim 1 wherein the determining comprises determining using a rasterization engine function.

11. (Amended) The method of claim 1 further comprising classifying at least one of the pieces of artwork based on the intersection of the piece of artwork with the complex region.

12. (Amended) The method of claim 11 wherein classifying comprises identifying the piece of artwork as being completely inside the complex region.

13. (Amended) The method of claim 11 wherein classifying comprises identifying the piece of artwork as being completely outside the complex region.

14. (Amended) The method of claim 11 wherein classifying comprises identifying the piece of artwork as being partially inside the complex region.

15. (Amended) A computer program product, tangibly stored on machine-readable medium, for processing a computer graphics illustration having pieces of artwork, the product comprising instructions operable to cause a processor to:

    map outlines of at least one of the pieces of artwork onto a grid of cells;

    determine the total number of outlines of pieces of artwork that map to a cell of the grid; and

    identify the cell as a complex region based on the total number of outlines that map to the cell.

16. (Amended) The computer program of claim 17, further comprising instructions to:

    exclude pieces of artwork that map entirely inside the complex region.

Please add claims 17-28.

17. (New) The product of claim 15, further comprising instructions to:

    exclude, based on the identifying of the cell as a complex region, pieces of artwork from an illustration flattening process.

18. (New) The product of claim 17, wherein:

    the illustration flattening process includes a process for producing a planar map of the illustration.

19. (New) The product of claim 15, wherein the instructions to identify a cell as complex includes instructions to:

    compare the total number of outlines of pieces of artwork that map to the cell with a threshold.

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20. (New) The product of claim 15, wherein the instructions to compare the total number of outlines of pieces of artwork that map to the cell with a threshold includes instructions to:

dynamically determine the threshold.

21. (New) The product of claim 15, wherein the instructions to compare the total number of outlines of pieces of artwork that map to the cell with a threshold includes instructions to:

determine the threshold based on user input.

22. (New) The product of claim 15, wherein the instructions to map includes instructions to:

draw outlines using a rasterization engine.

23. (New) The product of claim 15, wherein the instructions to determine includes instructions to:

use fast rasterization functions to determine the number of outlines that map to a cell.

24. (New) The product of claim 15, further comprising instructions to:

classify a piece of artwork based on an intersection of the piece of artwork with the complex region.

25. (New) The product of claim 24, wherein instructions to classify a piece of art work includes instructions to:

determine whether the outline of the piece of artwork is mapped completely inside the complex region.

26. (New) The product of claim 24, wherein instructions to classify a piece of art work includes instructions to:

determine whether the outline of the piece of artwork is mapped partially inside the complex region.

27. (New) The product of claim 24, wherein instructions to classify a piece of art work includes instructions to:

determine whether the outline of the piece of artwork is mapped completely outside the complex region.

28. (New) The product of claim 15, wherein:

the illustration has a first associated resolution and the grid has a second resolution, the second resolution being less than the first resolution.